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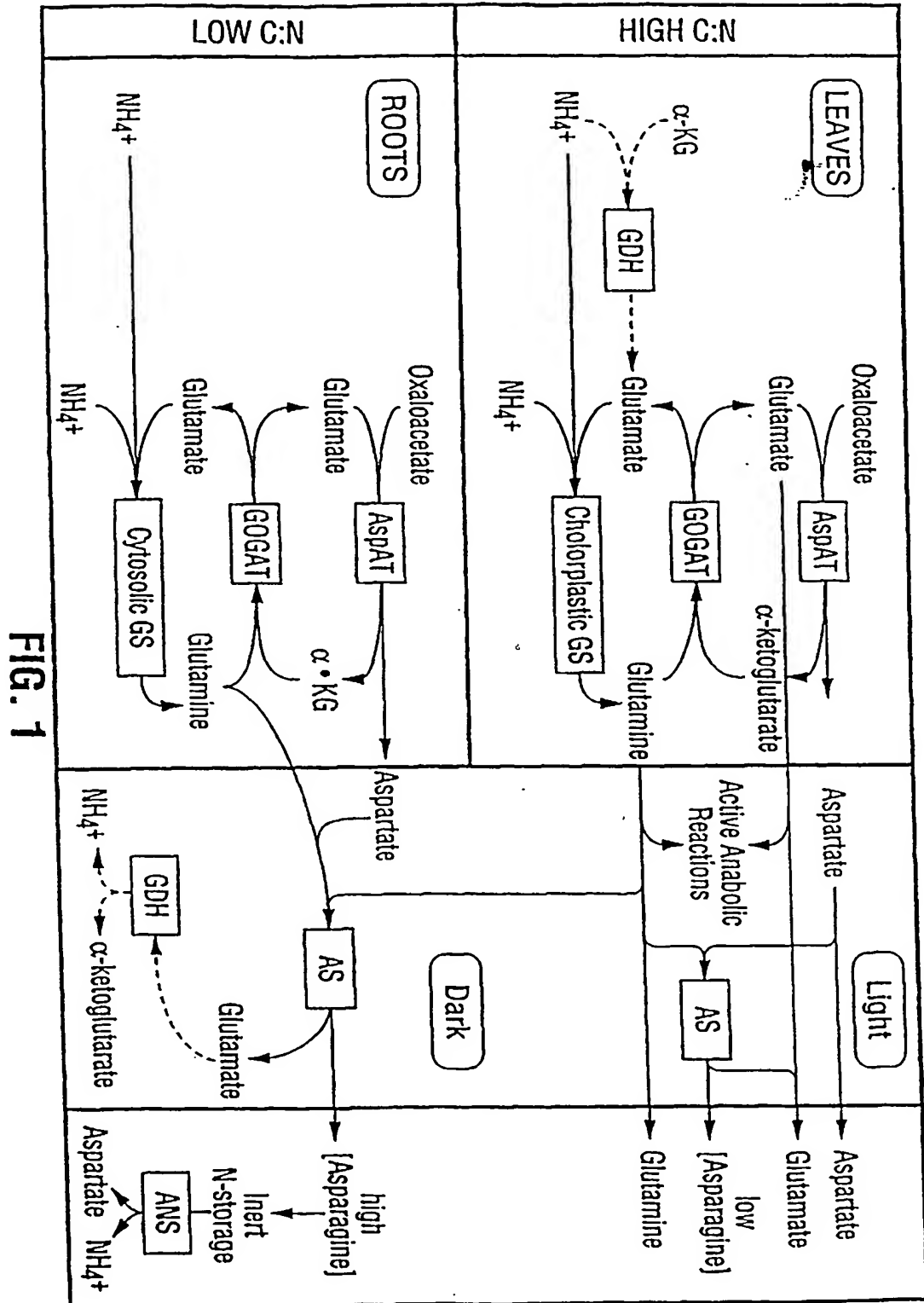
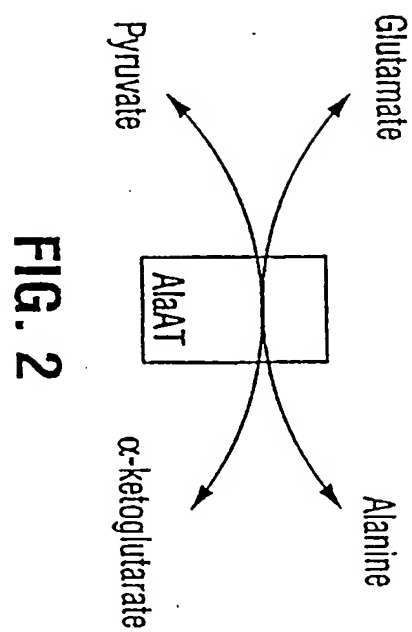


FIG. 1



GTGACCTGCAGGTCCAACGATCCTAATCGGGTATATCCCGACCCGGAAAGAACGTAGACACGTG -250
ACAAACTTCATATGATCCGAGTGAATCAAGCCAAAGGGGATTGACACCAACAGCTCAGCTTTCCGTTTT -180
CGGTCCAATCGCTGTTCCAACTTTACTTACAGTCGTCACGCTCTCTCTCTCTCTCTCTCTCTCTCACTC -110
ACTTCCTCTTATAAAGACTCTCTGATCAACGTATAATCGGAACCTCCATTCTTTGATACCATCGATTA -40
TACTAAGAGAGGTGATTGATTCTTAAATCACTGTTGATTA⁺¹CTTAACCTTGAATCCATTTACTCTGTTC 31
ATCATTTTGTAGAG

FIG. 3

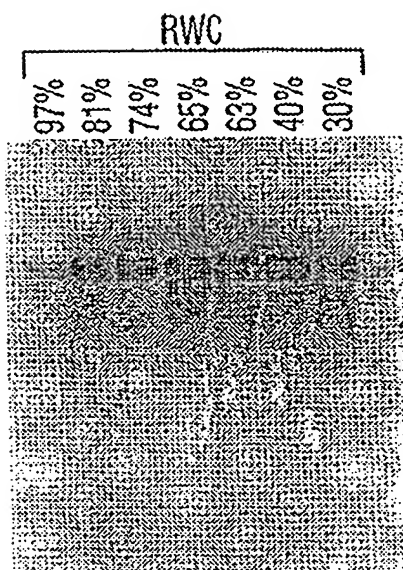


FIG. 4A

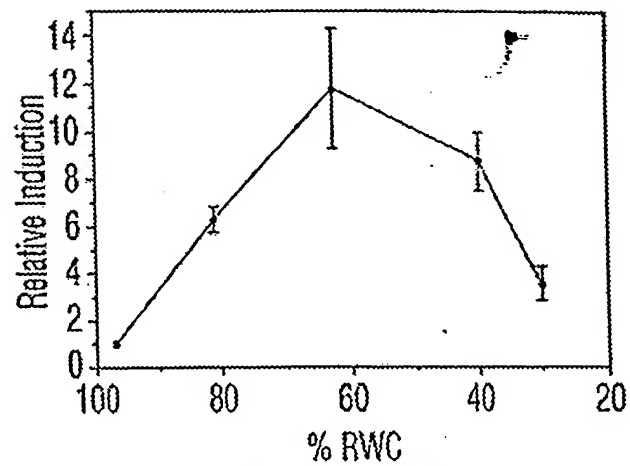


FIG. 4B

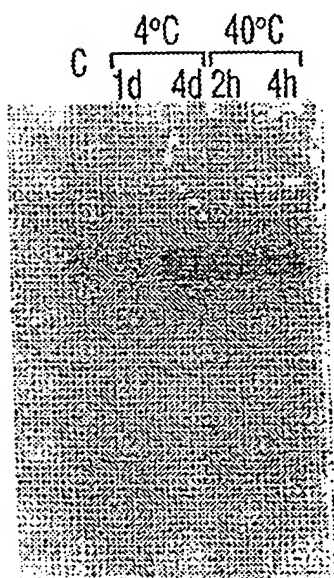


FIG. 4C

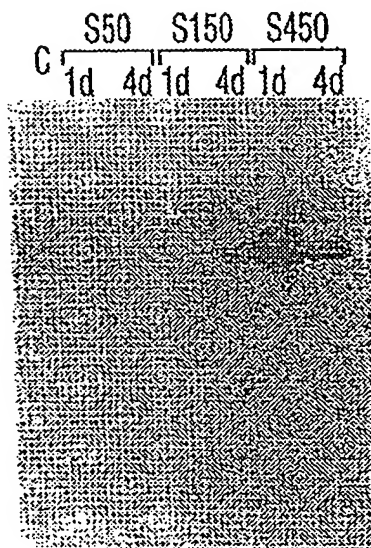


FIG. 4D

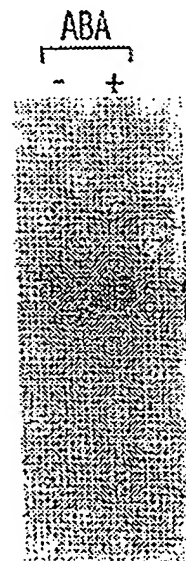


FIG. 4E

GGCCACAAAACCGCGAAGAGATAGACGGACAGCTAGAGCGCTCGGAAGATACTCGTGTCTGCGCGCCCTTGCTTAGTGTATCTGCC 94
ATGCTGCCACCGTCGCGCGTGACACCTGAAACCCCAAGTTTAAATGTGATGTCTGTGCGTGAGACATTCATCCATGCTCAGCGCTTG 190
M A A T V A V D N L N P K V L K C E Y A V R G E I V I H A Q R L 32
CAGGAACAGCTAAAGACTCAACCGAGGGTCTTACTTTTGATGAGATCCTTATTGTACATTGGGAACCAATCTCTGGTCAGCAACCAATT 286
Q E Q L K T Q P G S L P F D E I L Y C N I G N P Q S L G Q Q P V 64
ACATTCCTCAGGAGGTCTTGCCCTTGATGATCAACAGACCTGTGCAAGAGAGAAATCAAAACATTGTTCAGTGCTGATTCATTCTCGA 382
T F F R E V L A L C D H P D L L Q R E E I K T L F S A D S I S R 96
GCAAGCAGATTCTTGCCATGATACCTGAGAGCAACAGAGCATACAGCCATAGCCAGGTATTAAAGACTTCGTATGCAATTGCTCTGCGG 478
A K Q I L A M I P G R A T G A Y S H S Q G I K G L R D A I A S G 128
ATGCTTCACGAGATGATTCCTGCTGATGATGACATTTTCTCACAGATGGAGCAAGTCTGGGGTGACCTGATGATGCAATTACTGATA 574
I A S R D G F P A N A D D I F L T D G A S P G V H L M M Q L L I 160
AGGAATGAGAAAGATGGCATTCTGTCCCGATTCTCAGTACCCCTGTACTCGGCTTCATAGCTCTTCATGGCGGAGCTCTGTGCCCATACTAT 670
R N E K D G I L V P I P Q Y P L Y S A S I A L H G G A L V P Y Y 192
CTCAATGATCGACGGCTGGGTTGGAACCTCTGATGTTAGAGCAACTTGAGATGCTCGTCAAGAGGCATCAAGTTAGGGCTTGGTG 766
L N E S T G W G L E T S D V K K Q L E D A R S R G I N V R A L V 224
GTATCAATCCAGGAATCCAACTGAGACAGGTACTTGTGAAGAAAACCAATATGACATAGTGAAGTTCGCAAAAATGAGGGTCTTGTCTCTA 862
V I N P G N P T G Q V L A E E N Q Y D I V K F C K N E G L V L L 256
GCTGATGAGTATACCAAGACAATCTATGTTGACAAACAAGAAATTCACCTCTTCAAGAGATAGTGAGATCCTTGGGATACGGCGAGGAGAT 958
A D E V Y Q E N I Y V D N K K F H S F K K I V R S L G Y G E E D 288

FIG. 5

CTCCCTAGATCATATCAATCTGTTTCTAAGGATATTATGTGAGTGTGTAAGAAGGTGTTACTTTGAGATTACTGGCTTCAGTCTCCA
L P L V S Y Q S V S K G Y Y G E C G K R G G Y F E I T G F S A P 1054
GTAGAGACAGATCTACAAAATAGCATGAGTGAACCTATGCTCCATATACCTGGCCAGATCCTGTAGTCTTGTCAAGAACCAAGGCT
V R E Q I Y K I A S V N L C S N I T G Q I L A S L V M N P P K A 1150
AGTATGATCATACGCTTCATACAAAGCAGAAAGATGGAATCTCGCATCTTTAGCTCGTCGAAAGCATTTGAGCATGCAATCAATAA
S D E S Y A S Y K A E K D G I L A S L A R R A K A L E H A F N K 384
CTGAGGAATTACTTGCACGAGGCTGAAGGAGCAATGTAAGTTCCTCAATCTGTCTGACACAGAAAGCAATTGAGGCTGCTAAAGCTCT
L E G I T C N E A E G A M Y V F P Q I C L P Q K A I E A A K A A 1342
AACAAAGCACCTGATGCATTTCTATGCTCTTCTCTCTCGAGTGAAGTGAATGCTGCTGCTGATCAGGATTTGGCCAGTTCTCTGGACA
N K A P D A F Y A L R L L E S T G I V V V P G S G F G Q V P G T 1438
TGGCACTTCAGTGCAGATCTTCCGCAAGAGATGAATCCCGCAGTCATCTCCGCTTACGAGTTCATGAGGCGTTCAATGCAAGAT
TGGCACTTCAGTGCAGATCTTCCGCAAGAGATGAATCCCGCAGTCATCTCCGCTTACGAGTTCATGAGGCGTTCAATGCAAGAT
W H F R C T I L P Q E D K I P A V I S R F T V F H E A F M S E Y 1534
CTGACTAACTGGTGCAACATGTGGATTACATCAACCCCTCATGGGGTTTTCGTAGGCGTTCTGTTTGGCCCCCCCCCCTTCTCTCTC
R D 1630
TCTCTCTGACAGCATCTCTCTAGATGAGCAAAATAAAGCAAAAGCCATGTCTATCTTAAAAAAA 1701 482

FIG.5 Cont'd

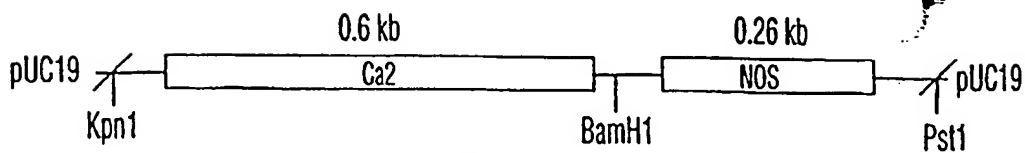


FIG. 6

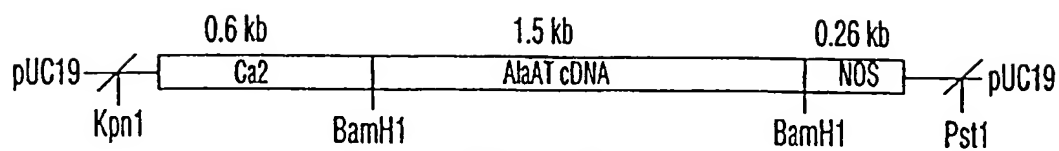


FIG. 7A

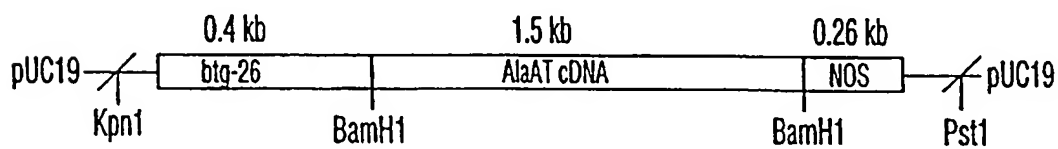


FIG. 7B

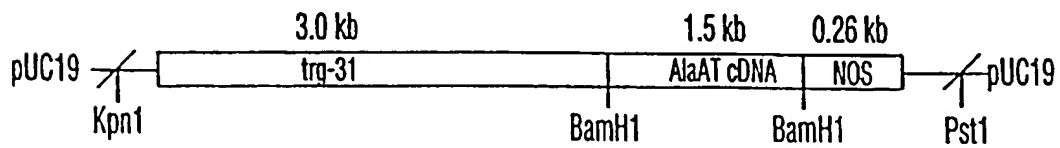


FIG. 7C

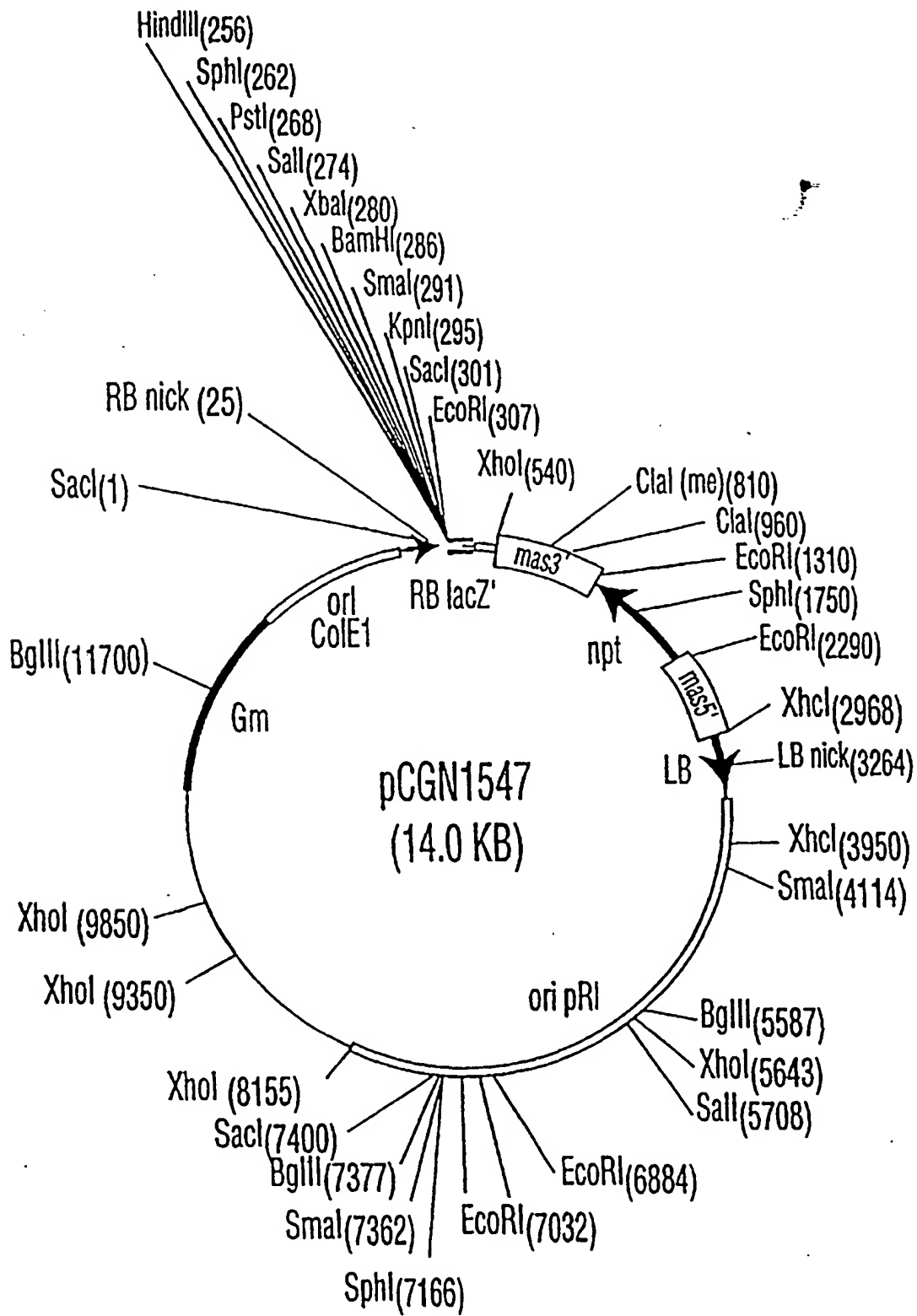


FIG. 8



FIG. 9

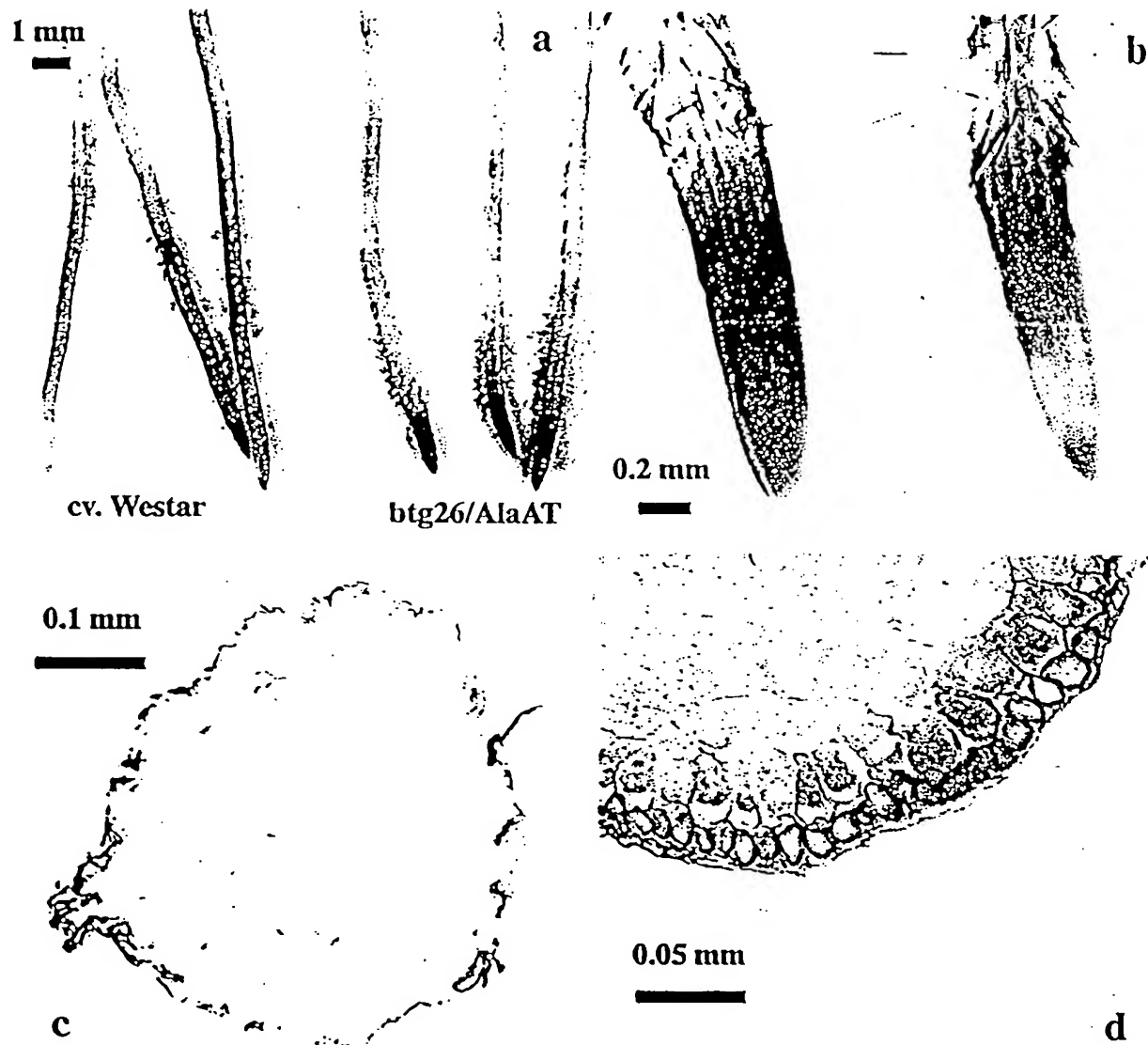
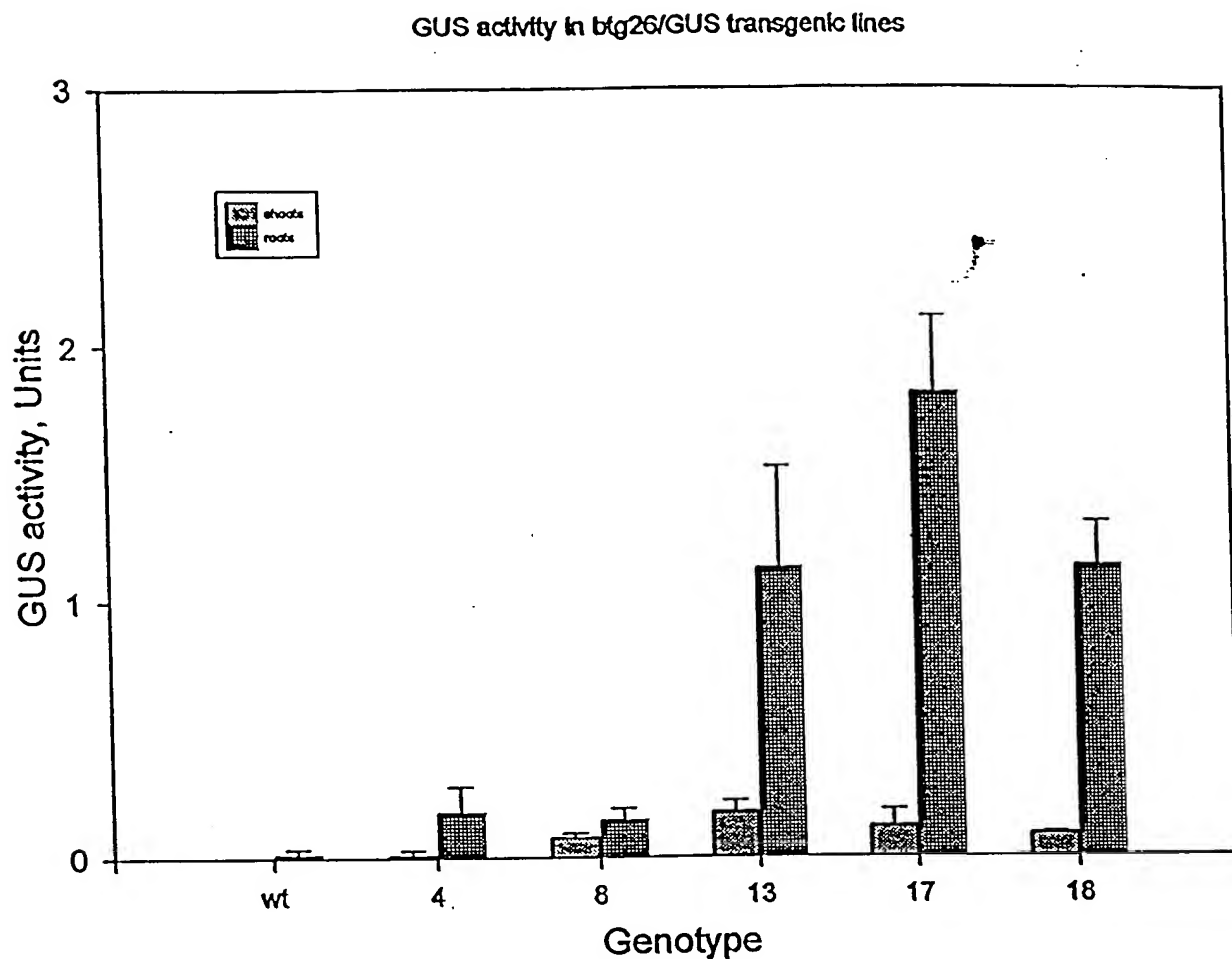


FIGURE 10



Root/shoot ratios:

<i>btg26</i>/GUS, line 4	-	19.5
<i>btg26</i>/GUS, line 8	-	1.9
<i>btg26</i>/GUS, line 13	-	6.5
<i>btg26</i>/GUS, line 17	-	15.7
<i>btg26</i>/GUS, line 18	-	13.2

FIGURE 11.

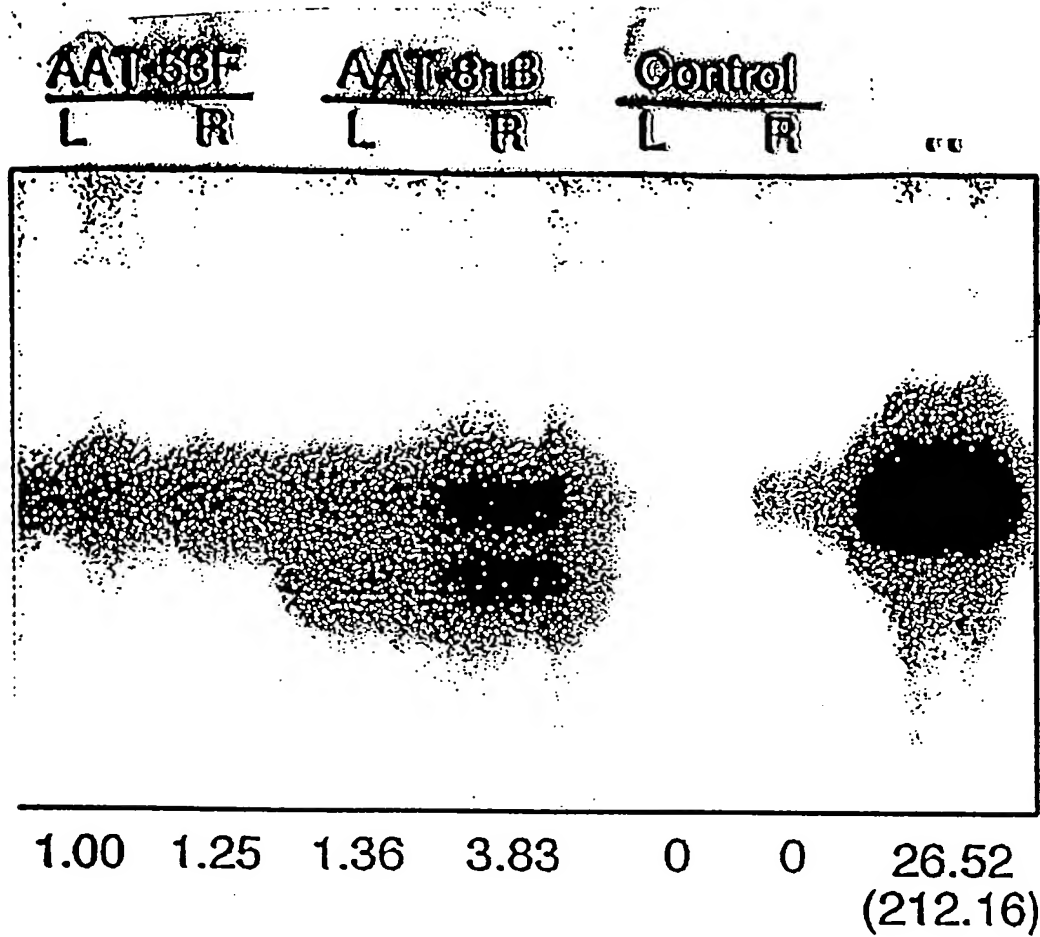


FIGURE 12

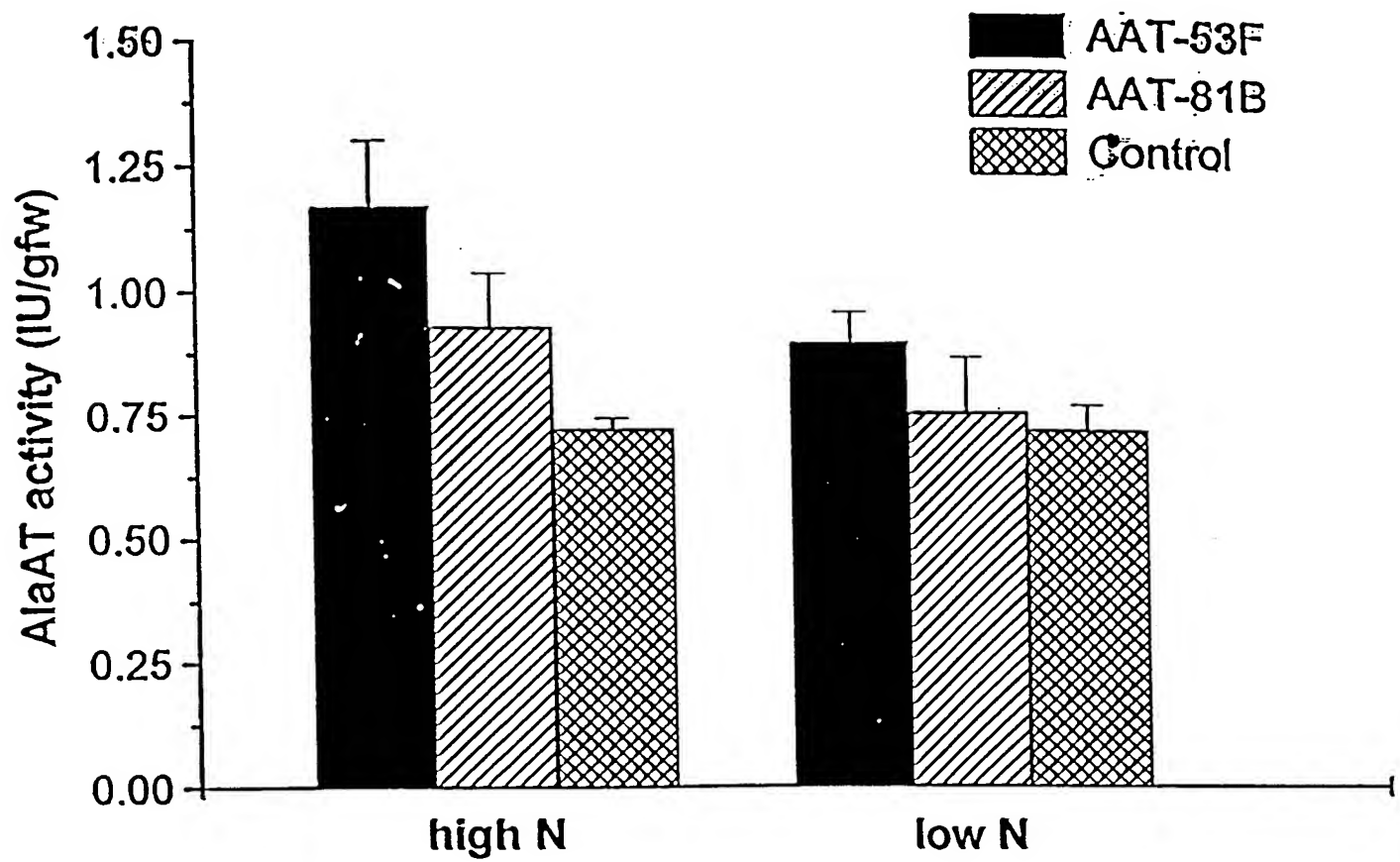
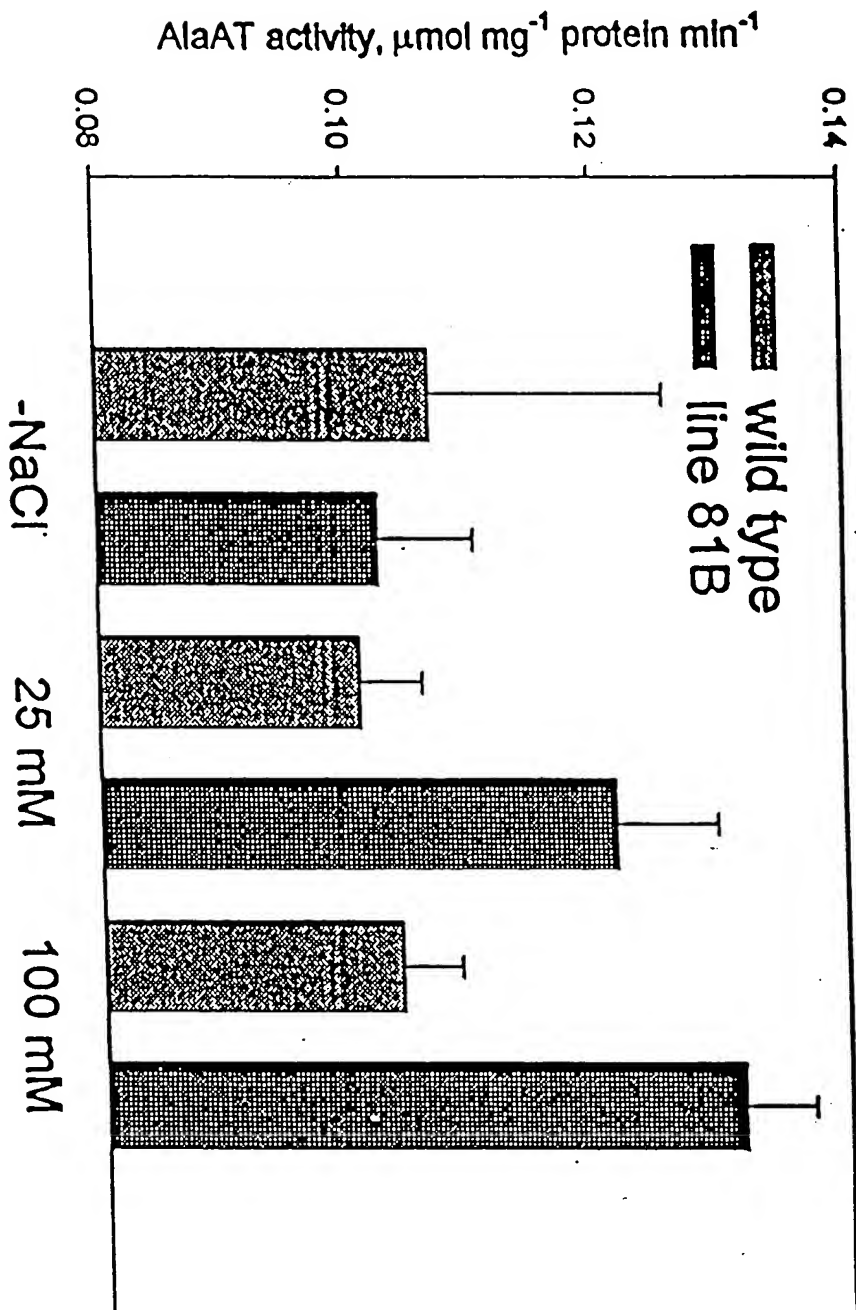
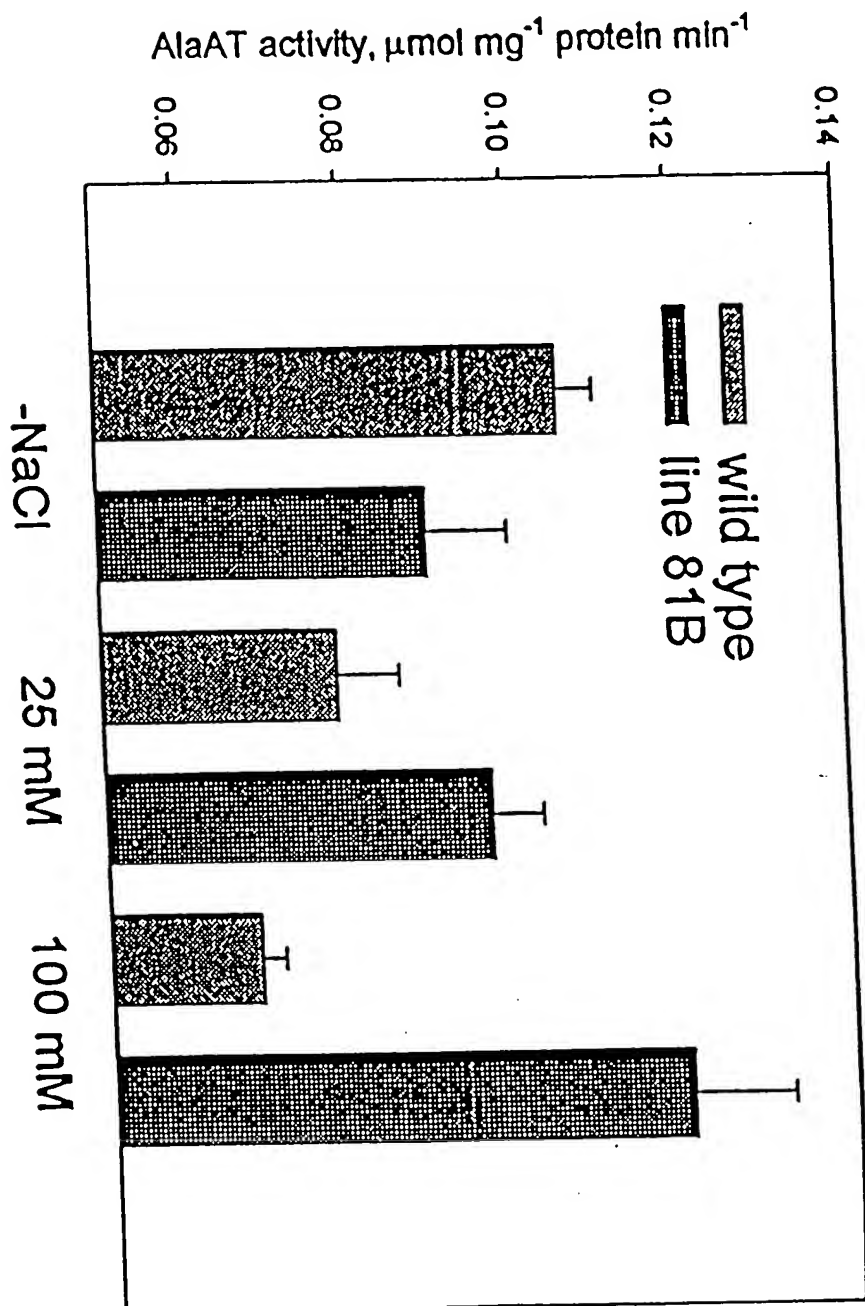


FIGURE 13



AlaAT activity in shoots of wild type, cv. Westar, and transgenic, big26/AlaAT line 81B, plants grown hydroponically on 0.5 mM nitrate after 36 hours of salt treatment

Figure 14



AlaAT activity in roots of wild type, cv. Westar, and transgenic,
btg26/AlaAT line 81B, plants grown hydroponically on 0.5 mM nitrate
after 36 hours of salt treatment

Figure 15

Effect of salinity on biomass accumulation of wild type, cv. Westar, and transgenic, btg26/AlaAT, line 81B, plants

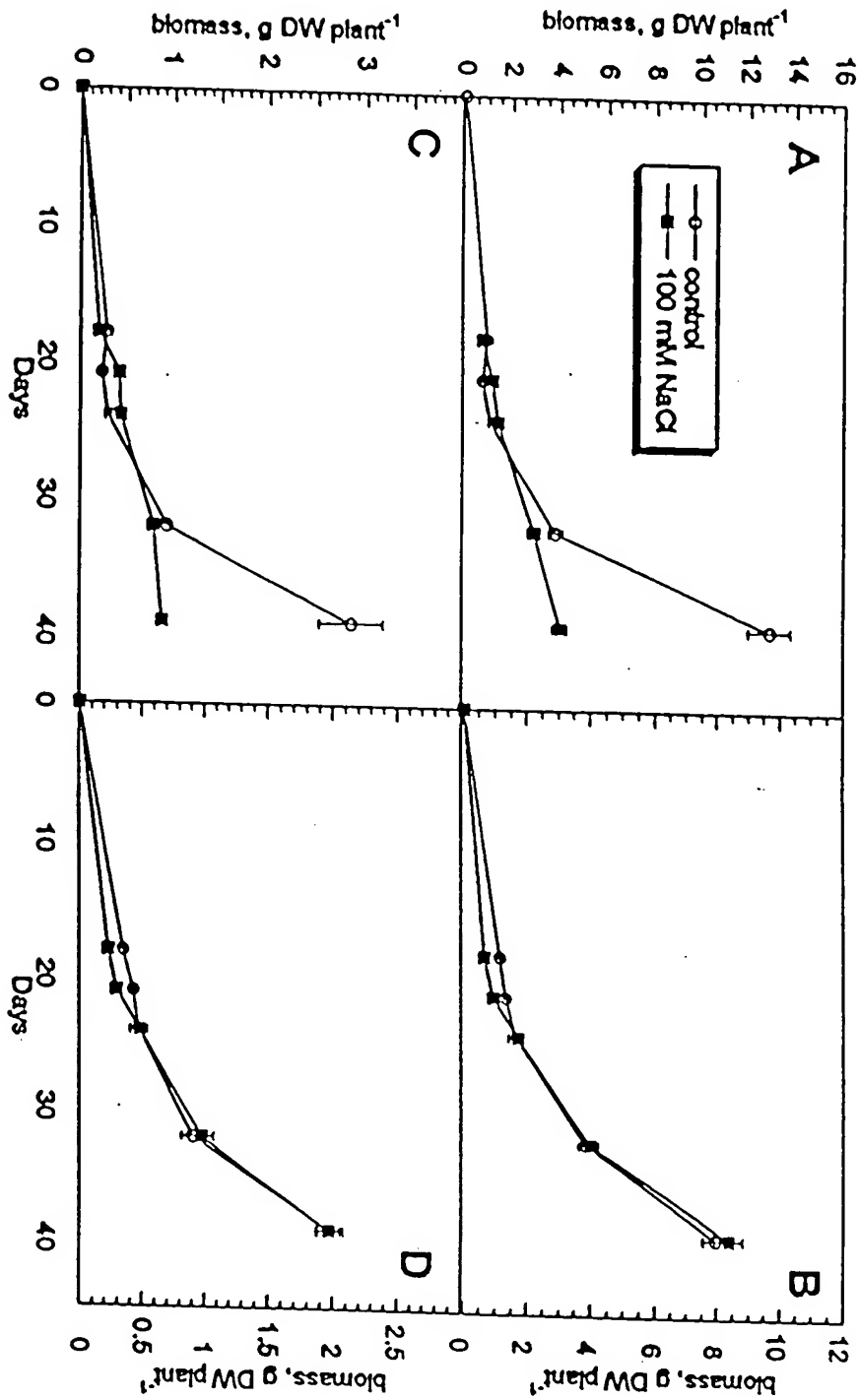


Figure 16

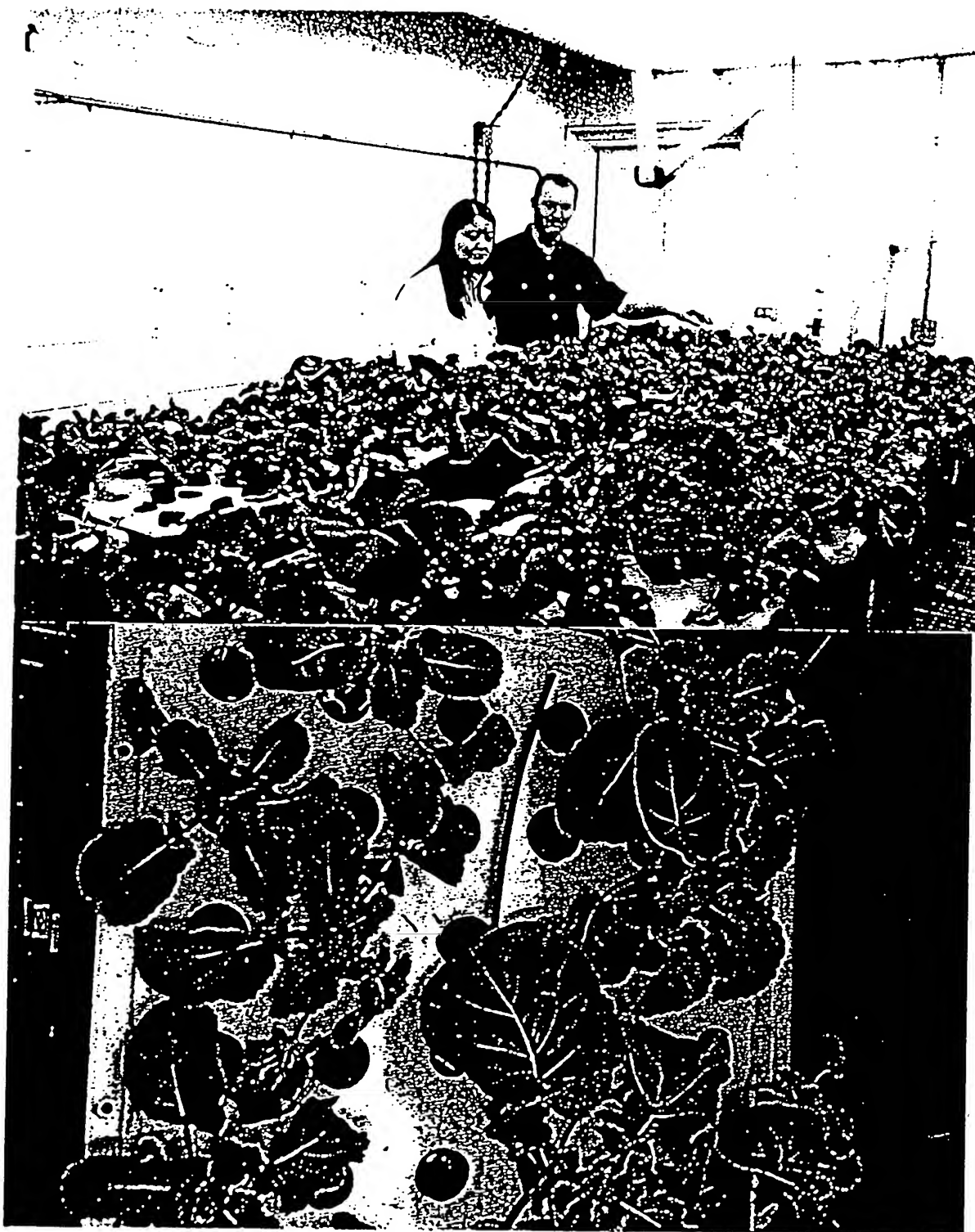


FIGURE 17

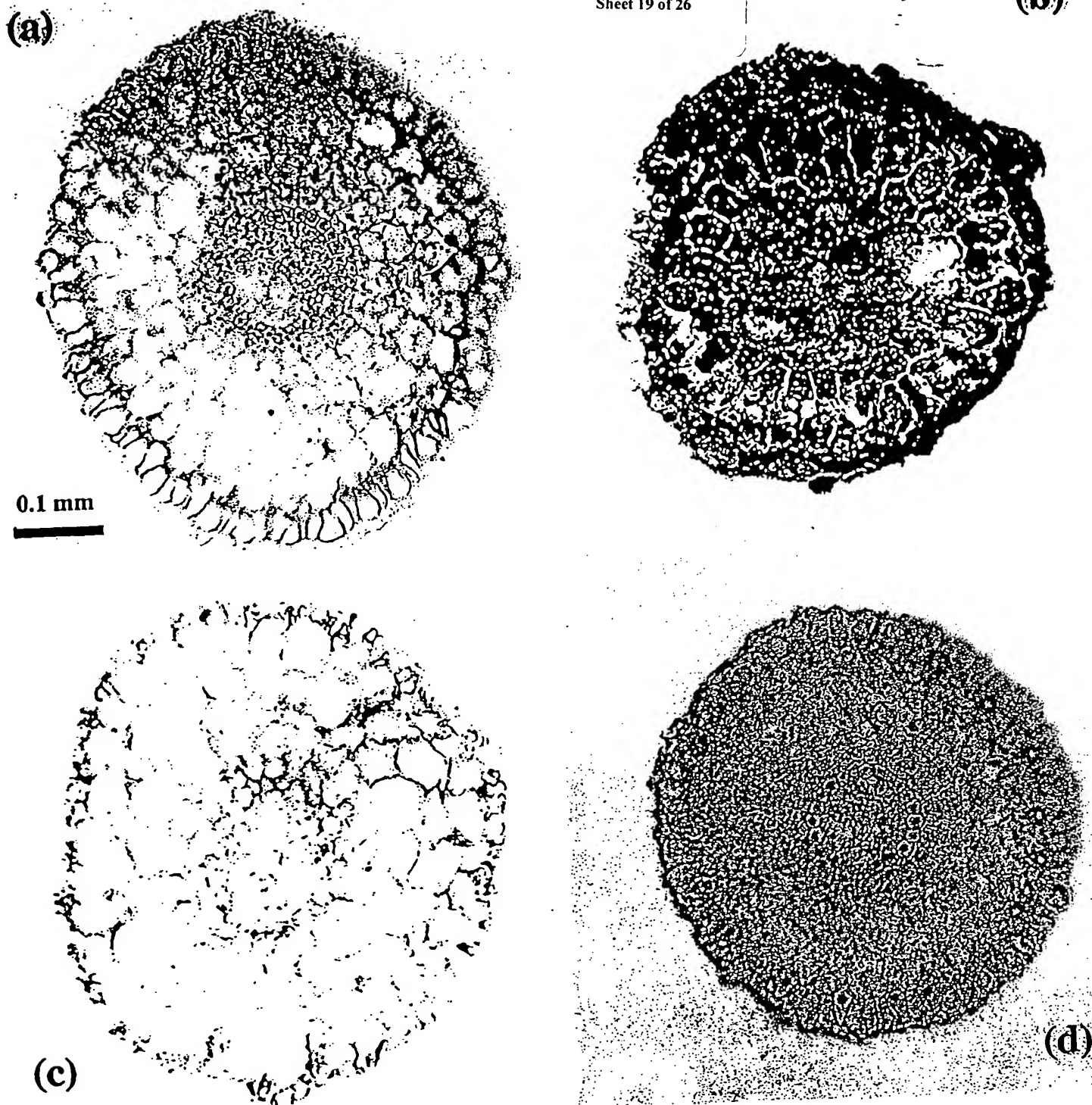


FIGURE 18

Figure 19

**Average Dry Shoot Weight of Transgenic Canola Lines Containing btg26/AspAT
 Grown in High and Low Nitrogen Conditions**

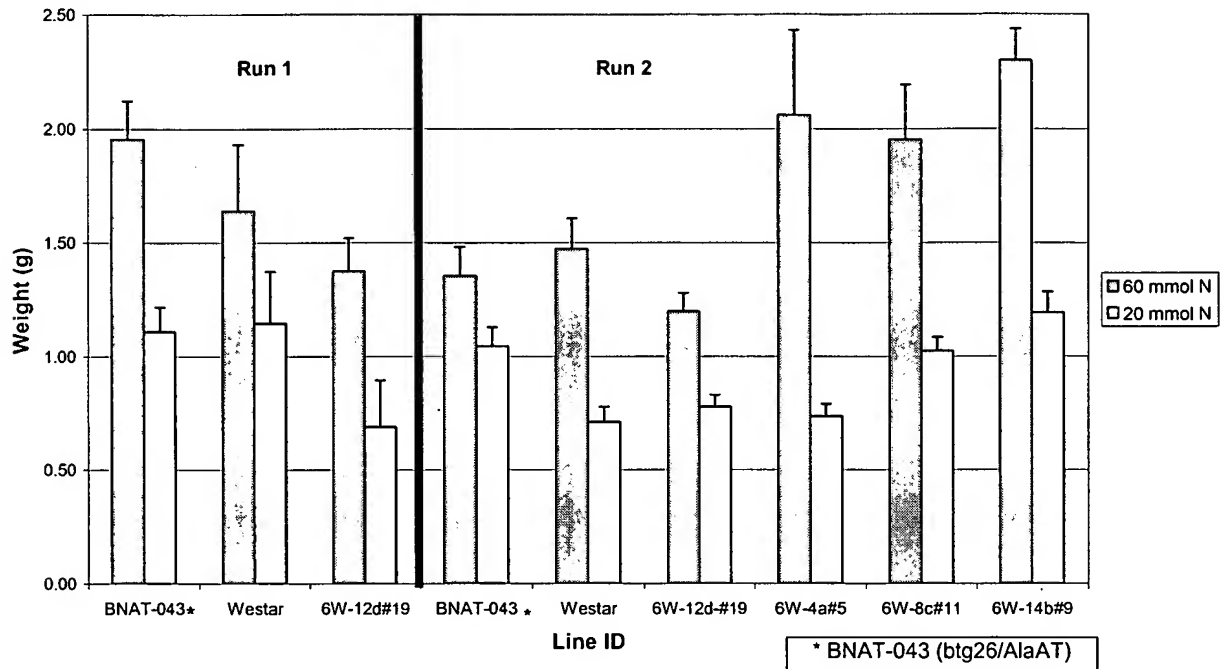


Figure 20

**Average Dry Root Weight of Transgenic Canola Lines Containing btg26/AspAT
 Grown in High and Low Nitrogen Conditions**

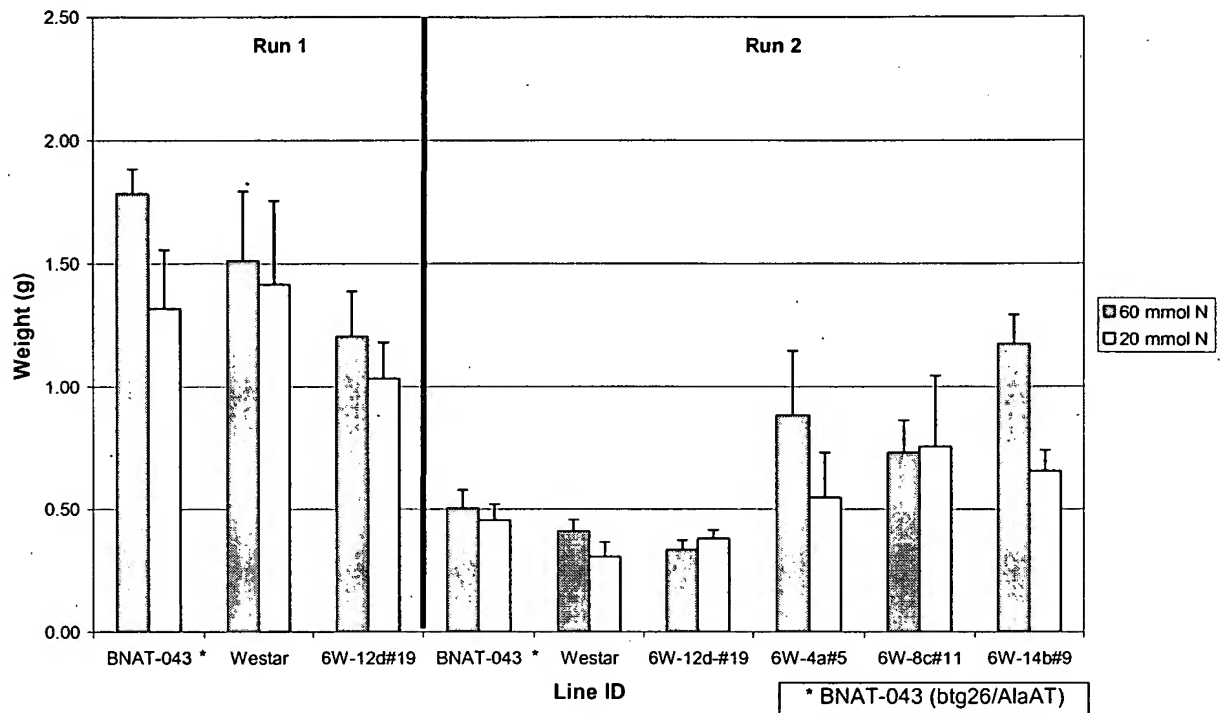


Figure 21A

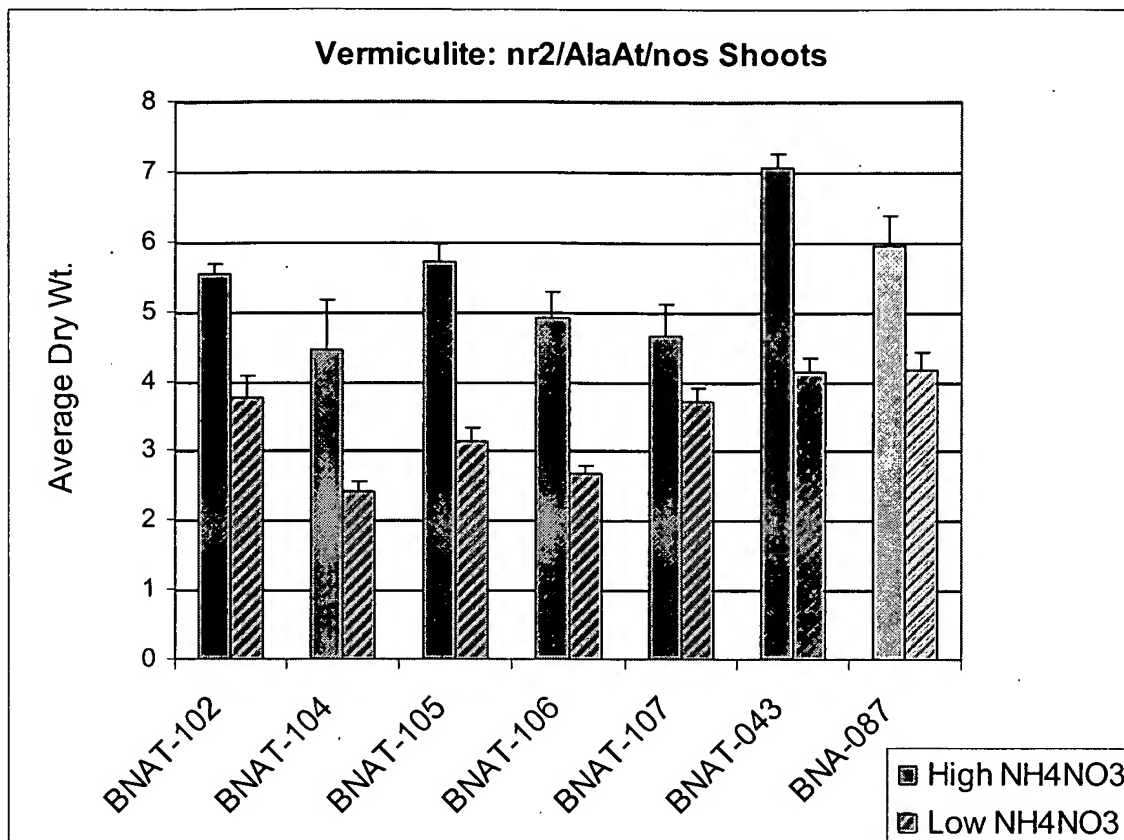


Figure 21B

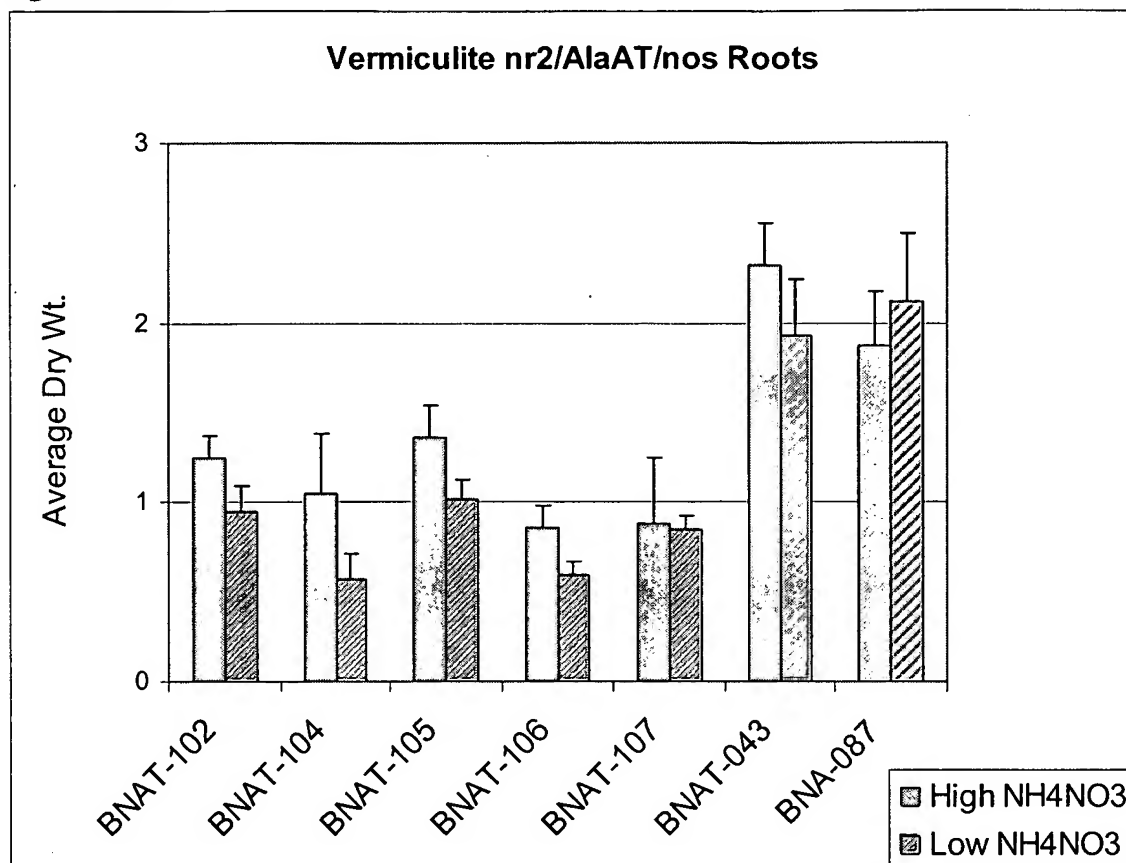


Figure 22

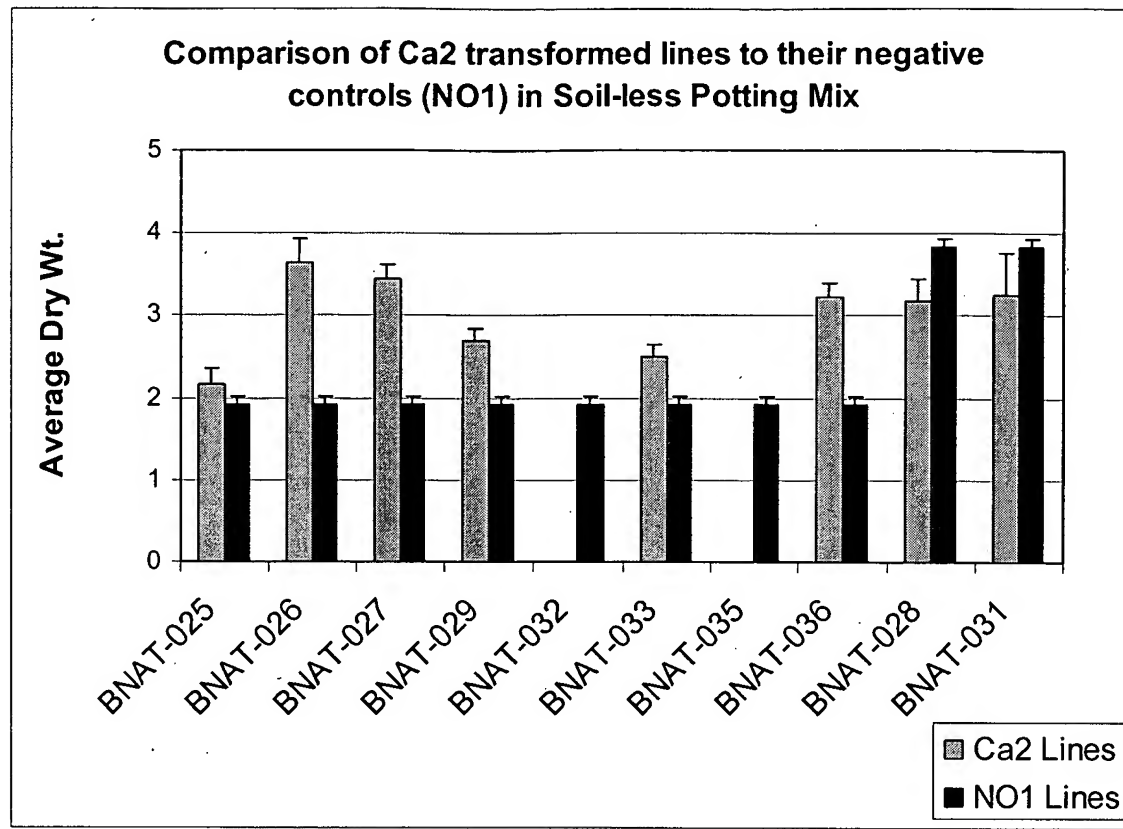


Figure 23

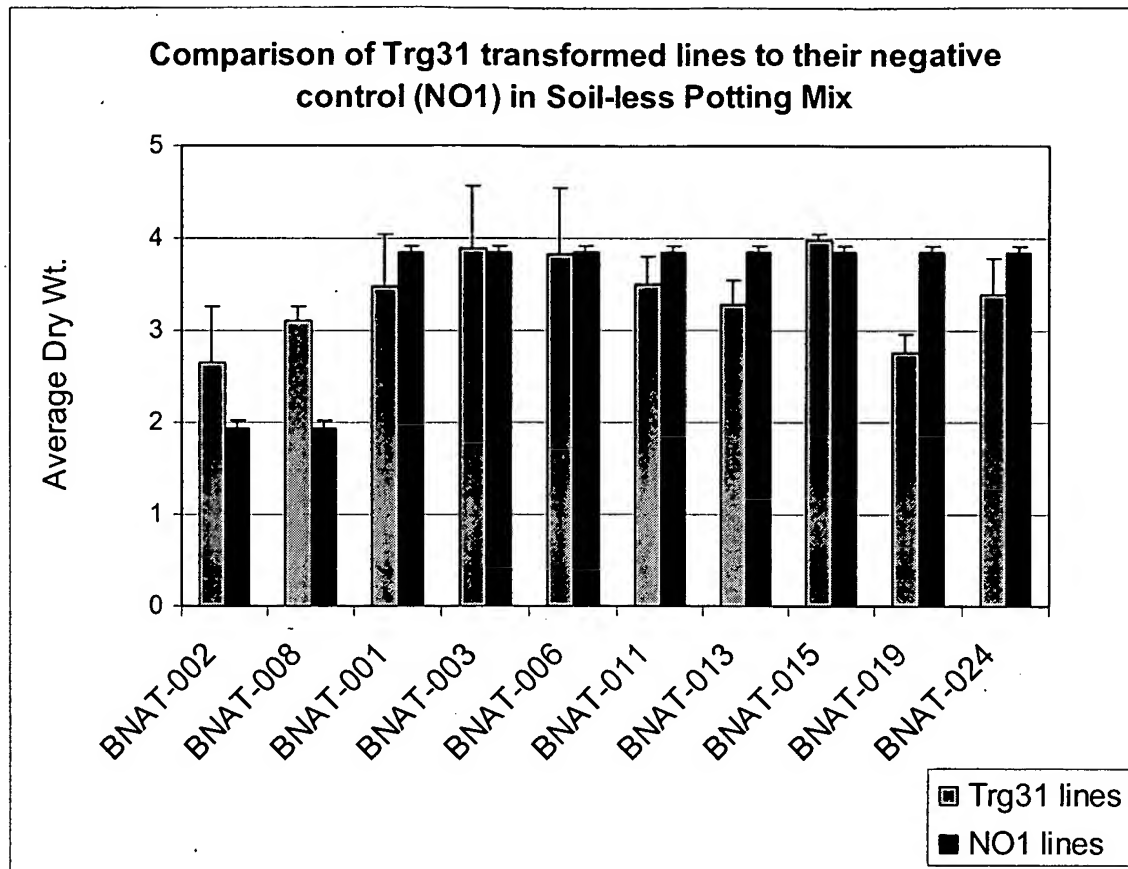


Figure 24

